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ACEBEAM ACEBEAM P20

ACEBEAM P20 High-end Professional Long-Range Flashlight User Manual

Model: ACEBEAM P20 | Brand: ACEBEAM

PRODUCT OVERVIEW

The ACEBEAM P20 is a high-performance tactical flashlight designed for long-range illumination and robust use. It features a powerful SBT-90.2 LED, dual switches for versatile operation, and a durable, waterproof construction.



Image: The ACEBEAM P20 flashlight, showcasing its robust design and long barrel.

Key Features

- The perfect fusion of CNC precision manufacturing and industrial design.
- Utilizes an SBT-90.2 LED, boasting 5500 lumens output and a throw distance of 1280 meters.
- Dual switches, allowing you to swiftly ON/OFF, or cycle through various modes.
- Long and slim barrel makes it cozy in your hands.
- Quick access to Turbo makes it more reliable at critical moments.
- 3mm thickened tempered glass brings greater durability, shock resistance, and better heat tolerance.
- High strength and impact-resistant HAIII hard-anodized anti-abrasive and corrosion-resistant finish.
- All metal body (A6061-T6 high-quality aluminum alloy) can withstand 1.5-meter drop test; IP68 Dust-proof and Waterproof Rating: Fully submersible to 2 meters / 6.5 feet.

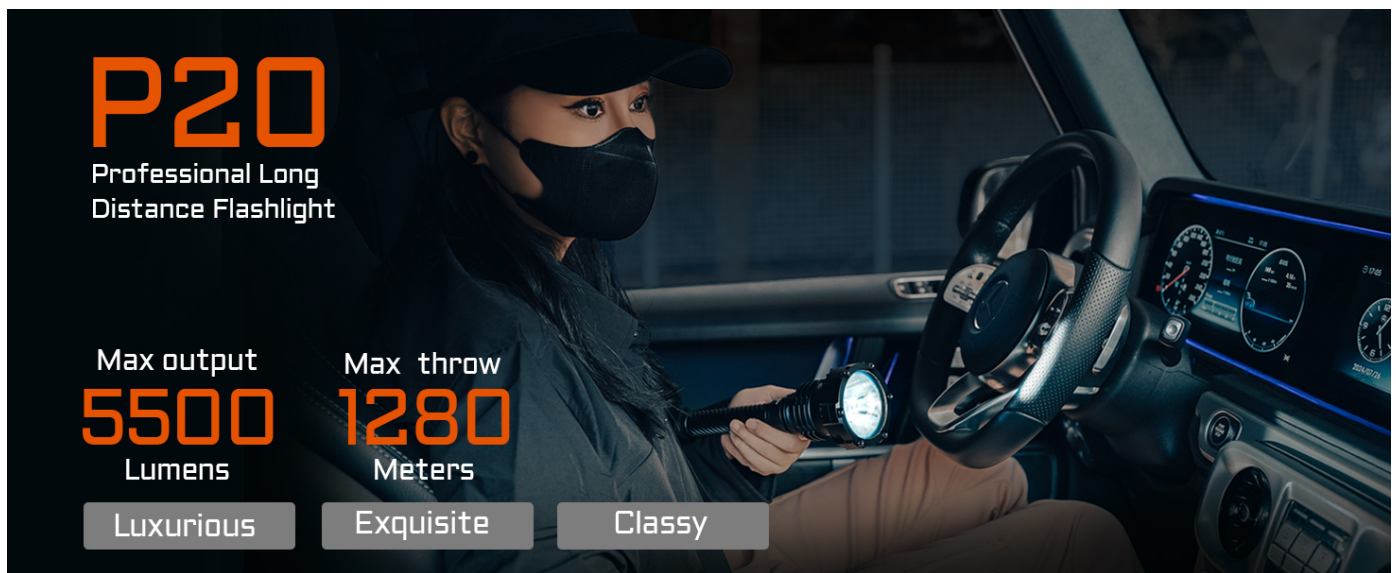


Image: Overview of ACEBEAM P20 features, highlighting its output, throw, and design.

SETUP

Battery Installation

The ACEBEAM P20 uses a 21700 Lithium Ion battery (included). To install or replace the battery, unscrew the tail cap of the flashlight. Insert the 5000mAh battery with the positive (+) end facing towards the head of the flashlight. Screw the tail cap back on tightly to ensure proper contact and maintain the IP68 waterproof rating.



Image: Illustration of the 5000mAh battery being inserted into the flashlight body.

Initial Charge

The included 21700 battery is rechargeable via a USB-C port located directly on the battery itself. Remove the battery from the flashlight and connect it to a USB power source using the provided charging cable. The battery's indicator light will show charging status.

OPERATING INSTRUCTIONS

Dual Switch Operation

The ACEBEAM P20 features both a tactical tail switch and a side switch for versatile control.

Tactical Tail Switch

- **Momentary On:** Half-press the tail switch for momentary illumination. Release to turn off.
- **Constant On/Off:** Fully press the tail switch until it clicks to turn the flashlight on or off.
- **Instant Turbo:** From off, fully press and hold the tail switch for instant Turbo mode.

Side Switch

The side switch controls the various lighting modes and provides a battery power indicator.

- **Mode Cycling:** With the flashlight on, press the side switch to cycle through the modes: Ultra-low → Low → Med 1 → Med 2 → High → Turbo.
- **Strobe:** Double-press the side switch to activate Strobe mode. Press again to return to the previous mode.
- **Battery Indicator:** The light around the side button indicates remaining battery power.



Image: Diagram illustrating the functionality of the side switch and tactical tail switch.

Light Modes and Output

The P20 offers 6 regular lighting modes plus a Strobe for emergencies.



Image: Visual representation of the different lighting modes and their approximate lumen outputs.

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Video: Official product video demonstrating the ACEBEAM P20's powerful beam and various lighting modes, including its impressive throw distance and strobe function.

MAINTENANCE

Cleaning and Care

Regularly clean the flashlight body with a soft cloth. For optimal performance, keep the threads and O-rings clean and

lubricated with silicone grease. This helps maintain the waterproof seal.

Battery Charging

As mentioned in the Setup section, the battery is charged directly via its integrated USB-C port. Ensure the battery is fully charged before extended use to maximize runtime.

TROUBLESHOOTING

Side Button Unresponsiveness or Accidental Turbo

Some users have reported the side button being unresponsive with light presses or accidentally activating Turbo mode with firmer presses. This can be due to the tactile feedback of the button requiring a deliberate press. Ensure a firm, direct press on the center of the button. If the issue persists, ensure the tail cap is fully tightened, as a loose connection can sometimes affect switch functionality.

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Video: A user demonstrating a potential side button issue on the ACEBEAM P20, showing how light presses might not register or lead to accidental turbo activation.

Flashlight Not Turning On

- **Check battery charge:** Ensure the battery is fully charged.
- **Battery orientation:** Verify the battery is inserted with the correct polarity (positive end towards the head).
- **Tail cap tightness:** Make sure the tail cap is screwed on tightly. A loose tail cap can prevent electrical contact.
- **Lockout mode:** The flashlight may be in lockout mode. Hold the side button for 3 seconds to exit lockout.

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Video: A user review discussing the ACEBEAM P20, which may provide insights into common operational queries or issues.

SPECIFICATIONS

Feature	Detail
LED	SBT-90.2
Max Output	5500 Lumens
Max Throw	1280 Meters (1400 Yards)
Power Source	1 x 21700 Lithium Ion Battery (included)
Material	Anodized Aluminum (A6061-T6)
Waterproof Rating	IP68 (Submersible to 2 meters / 6.5 feet)
Impact Resistance	1.5 Meters
Dimensions	10.53"D x 3.11"W x 3.11"H
Item Weight	1.11 Pounds
Included Components	Charging Cable

Technical Parameter

SBT-90.2 LED

FL1 STANDARD	Turbo	High	Med 2	Med 1	Low	Ultralow	Strobe
	5500~1800 lumens	2300~1800 lumens	1100 lumens	470 lumens	150 lumens	50 lumens	3600~3000 lumens
	70s+2h40min	3min+2h40min	5h	12h	36h	74h	3min+2h45min
	1280m	731m	515m	347m	209m	209m	960m
	409600cd	133590cd	66306cd	30102cd	10920cd	4970cd	230400cd
	2 meters				1.5 meters		

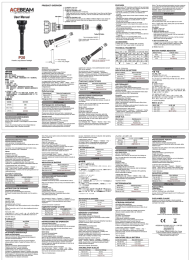
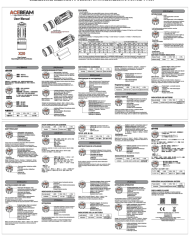

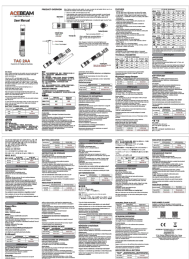
Note: above data are tested with included battery pack according to ANSI/PLATO FL1 at ACEBEAM lab, and the data may vary due to different situations.
Size: 267.56mm / 10.53" (length) x 79mm / 3.11" (head diameter) x 25.4mm/1" (tube diameter)
Weight: 504g / 17.77oz (including battery)

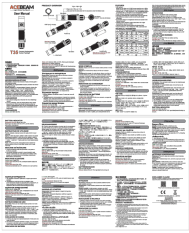

Image: Detailed technical parameters table for the ACEBEAM P20, including lumen output, throw distance, and runtime for each mode.

WARRANTY & SUPPORT

The ACEBEAM P20 is covered by a manufacturer's warranty. For detailed warranty information, product support, or service inquiries, please refer to the official ACEBEAM website or contact their customer service directly.
For additional resources and product information, visit the official [ACEBEAM Store on Amazon](#).

Related Documents - ACEBEAM P20

	<p>Acebeam P20 User Manual: Powerful Long Distance Tactical Flashlight</p> <p>Comprehensive user manual for the Acebeam P20 flashlight, detailing features, specifications, operation, and safety. Discover its powerful illumination for tactical and long-distance use.</p>
	<p>Acebeam X20 High-Lumen LED Flashlight User Manual</p> <p>Comprehensive user manual for the Acebeam X20, a powerful LED flashlight delivering up to 10,000 lumens. Learn about its features, specifications, operation, battery management, and safety guidelines for optimal use.</p>
	<p>Acebeam TAC AA EDC Tactical Flashlight User Manual Features, Specs, Warranty</p> <p>Comprehensive user manual for the Acebeam TAC AA EDC Tactical Flashlight. Learn about its features, technical specifications, operating instructions, maintenance, warnings, and product warranty.</p>
	<p>Acebeam TAC 2AA Flashlight User Manual</p> <p>User manual for the Acebeam TAC 2AA flashlight, detailing features, technical parameters, battery indicator, operation, and specifications.</p>

	<p>Acebeam T35 Tactical Flashlight User Manual - Features, Specs, Operation</p> <p>Comprehensive user manual for the Acebeam T35 tactical flashlight. Learn about its features, technical specifications, charging, operation modes, maintenance, and safety guidelines.</p>
	<p>ACEBEAM Defender P18 Tactical Flashlight User Manual - Features, Specs, and Operation</p> <p>Comprehensive user manual for the ACEBEAM Defender P18 rechargeable tactical flashlight. Learn about its features, technical specifications, battery installation, operation modes, warnings, maintenance, and warranty.</p>